

Advanced Field Artillery Tactical Data System (AFATDS)



MISSION

Provide automated command, control, and communications system for future fire support systems.

DESCRIPTION AND SPECIFICATIONS

Advanced Field Artillery Tactical Data System (AFATDS) enables the maneuver commander to plan and execute attacks on the right target, at the right time, with the right weapon system and the right munitions. It provides for maximum utilization of the fire support assets available on an expanding battlefield. AFATDS provides the multiservice (Army and Marine Corps) automated fire support command, control, and communications portion of the Army Battle Command System (ABCS) and supports the close, deep, and rear-battle fire-support requirements of land and littoral doctrine. AFATDS is designed for full interoperability with the other ABCS battlefield functional areas (BFAs) as well as with the fire support capabilities of the Navy's and Air Force's command and control weapon systems.

AFATDS provides integrated, automated support for planning, coordinating, and controlling all fire-support assets (field artillery, mortars, close air support, naval gunfire, attack helicopter, and offensive electronic warfare) and for executing counterfire, interdiction, and suppression of enemy targets for close and deep operations. AFATDS uses non-developmental, ruggedized, common hardware/software used by the other ABCS BFAs. AFATDS uses the results of its target-value analysis to establish target priorities, select the best weapon system from all fire-support assets available, and coordinate target acquisition and sensor assets to provide targeting information and target damage assessment data.

Through interoperability with Air Force Theater Battle Management Core System, AFATDS will be able to recommend tasks for close air support of ground troops, as well as track and maintain joint air targets. The AFATDS Joint Maritime Command Information System interface allows for the exchange of friendly and enemy-unit information and battlefield geometry messages between the Army and USMC. The AFATDS-Naval Fire Control System interface will provide for Naval gunfire support. AFATDS software is being developed in incremental, fieldable versions to accommodate evolving technology, doctrine, tactics, weapons capabilities, and procedures. Each version adds capability and functionality with AFATDS '04 currently projected as the objective system. AFATDS follows

the Deputy Chief of Staff for Operations-approved "first to fight" fielding schedule which prioritizes fieldings to units that will be deployed into combat first.

FOREIGN COUNTERPART

France: ATLAS; Germany: ADLER; Italy: SIR; Norway: ODIN; United Kingdom: BATES.

FOREIGN MILITARY SALES

The price and availability to sell AFATDS has been issued to Kuwait, Portugal, Saudi Arabia, Taiwan, and Turkey. A purchase order is in process for Portugal.

PROGRAM STATUS

1QFY99 AFATDS '98 limited user test and evaluation (LUTE).

2QFY99 AFATDS '98 Package 11 interoperability test.

September 15, 1999 AFATDS '02/04 contract award.

1QFY00 AFATDS '98 materiel release.

PROJECTED ACTIVITIES

4QFY00 AFATDS '99 technical test readiness review.

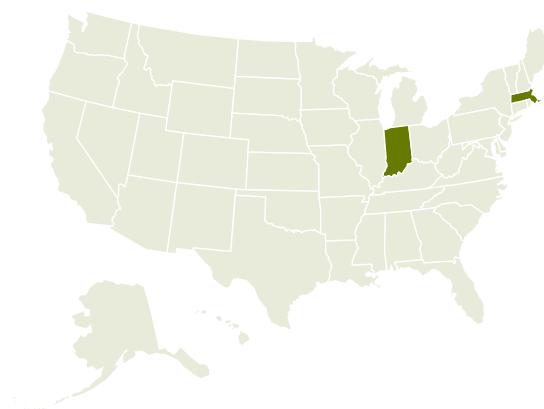
4QFY00 AFATDS '99 LUTE.

2QFY01 AFATDS '99 materiel release.

PRIME CONTRACTORS

Software: Raytheon (Fort Wayne, IN)

Hardware: General Dynamics (Taunton, MA)



* See appendix for list of subcontractors

